Applicant : Mitsuaki Osame et al.

Serial No. : 10/807,545

Attorney's Docket No.: 12732-223001 / US7068/7143/7203

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A light-emitting device characterized by comprising: a pixel comprising:
 - a light-emitting element,
- a first transistor for deciding a value of a current flowing to the light-emitting element, and
- a second transistor for deciding a light emission or non light emission of the lightemitting element depending on a video signal,

wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and wherein a gate electrode of the first transistor is connected to a second power unit.

- 2. (Currently Amended) A light-emitting device characterized by comprising: a pixel comprising:
 - a light-emitting element,
- a first transistor for deciding a value of a current flowing to the light-emitting element,
- a second transistor for deciding a light emission or non light emission of the lightemitting element depending on a video signal, and
 - a third transistor for controlling an input of the video signal,
- wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and

wherein a gate electrode of the first transistor is connected to a second power unit.

3. (Currently Amended) A light-emitting device characterized by comprising:

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a pixel comprising:

a light-emitting element,

a first transistor for deciding a value of a current flowing to the light-emitting element,

a second transistor for deciding a light emission or non light emission of the lightemitting element depending on a video signal,

a third transistor for controlling an input of the video signal, and

a fourth transistor for forcing the light-emitting element into a non-emission state irrelevant from the video signal,

wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and wherein a gate electrode of the first transistor is connected to a second power unit.

- 4. (Currently Amended) The light-emitting device according to any one of claimsclaim 1 to 3, characterized in that wherein the first transistor and the second transistor are identical in conductivity.
- 5. (Currently Amended) The light-emitting device according to any one of claimsclaim 1 to 3, characterized in that wherein the first transistor [[is of]] comprises a depletion type.
- 6. (Currently Amended) The light-emitting device according to any one of claimsclaim 1 to 3, characterized in that wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.
- 7. (Currently Amended) The light-emitting device according to claim 6, characterized in that wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.
 - 8. (Currently Amended) An element substrate characterized by comprising:

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a pixel comprising:

a pixel electrode;

a first transistor for deciding a value of a current flowing to the pixel electrode, and

a second transistor for deciding a supply or non-supply of a current to the pixel electrode depending on a video signal,

wherein the first transistor and the second transistor are connected in series between a first power unit and the pixel electrode, and

wherein a gate electrode of the first transistor is connected to a second power unit.

- 9. (Currently Amended) The element substrate according to claim 8, characterized in that wherein each of the first transistor and the second transistor has a P-type conductivity, and a threshold value of the first transistor is higher than that of the second transistor.
- 10. (Currently Amended) The element substrate according to claim 8, eharacterized in that wherein each of the first transistor and the second transistor has an N-type conductivity, and a threshold value of the first transistor is lower than that of the second transistor.
- 11. (Currently Amended) The element substrate according to any one of claims element 8-to 10, characterized in that wherein the first transistor [[is of]] comprises a depletion type.
- 12. (Currently Amended) The element substrate according to any one of claims elaim 8-to 10, characterized in that wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.
- 13. (Currently Amended) The element substrate according to claim 12, characterized in that wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.

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14. (New) The light-emitting device according to claim 2, wherein the first transistor and the second transistor are identical in conductivity.

- 15. (New) The light-emitting device according to claim 3, wherein the first transistor and the second transistor are identical in conductivity.
- 16. (New) The light-emitting device according to claim 2, wherein the first transistor comprises a depletion type.
- 17. (New) The light-emitting device according to claim 3, wherein the first transistor comprises a depletion type.
- 18. (New) The light-emitting device according to claim 2, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.
- 19. (New) The light-emitting device according to claim 3, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.
- 20. (New) The element substrate according to claim 9, wherein the first transistor comprises a depletion type.
- 21. (New) The element substrate according to claim 10, wherein the first transistor comprises a depletion type.

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22. (New) The element substrate according to claim 9, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

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23. (New) The element substrate according to claim 10, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.